



OCTOBER 2015



@ the Bradbury

Special News & Events



High-Tech Halloween is coming!

The highly anticipated return of one of our most popular annual events is finally here! The Bradbury runs High-Tech Halloween in conjunction with Los Alamos County's "Trick or Treat on Main Street" activities on Friday, October 30, from 4:00 PM to 6:30 PM. This event never fails to live up to its promise of offering visitors unique science learning opportunities in a spooky and entertaining way. Show up in your costumes to take part in vacuum and nuclear fission demonstrations. Experience a different wavelength in our black-light room. Get pointers on how to create expertly



carved jack-o-lanterns, and enjoy this year's selection. Hear ethereal music performed by vibrating strings. Check out creepy, crawly critters like snakes, spiders, and lizards. This spooktacular event is not to be missed!

Save the Date!

OCT
4

Special Lecture:
Jews in Theory
featuring Jack Shlachter
3:00 PM to 4:00 PM

OCT
10

Scientist in the Spotlight
Is the Flu in Your Future?
10:00 AM to 12:00 PM

OCT
12-23

Ada Lovelace Day Events

OCT
15

Science on Tap
5:30 PM to 7:00 PM
@ UnQuarked Wine Room
145 Central Park Square
Los Alamos, New Mexico

OCT
15

Women in STEM Panel
7:00 PM to 8:30 PM
@ Mesa Public Library
2400 Central Avenue
Los Alamos, New Mexico

OCT
19-23

Nuclear Science Week
Visit the museum and learn
about nuclear science

OCT
30

High-Tech Halloween
4:00 PM to 6:30 PM
Featuring science adventures,
creative endeavors, and live
critters

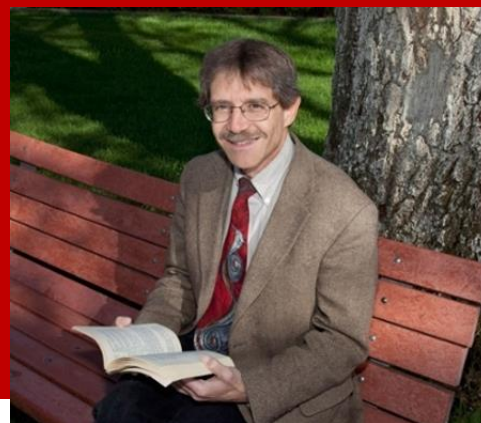


BRADBURY **SCIENCE** museum

1350 Central Avenue
Los Alamos, NM 87544

(505) 667-4444
www.lanl.gov/museum

Special Lecture: *Jews in Theory*

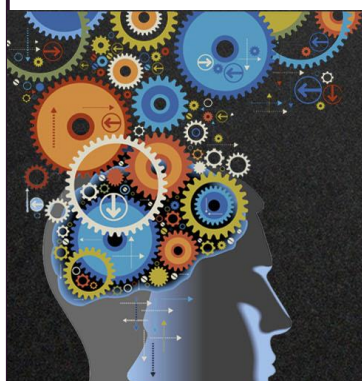


Jack Shlachter

*Acting Division Leader, T Division,
Los Alamos National Laboratory;
Rabbi of the Los Alamos Jewish Center; and
High Holiday Rabbi for Kehillat Beijing
Foundation in China*

**Sunday, October 4
3:00 PM to 4:00 PM**

Bradbury Science Museum Auditorium



SCIENCE ON TAP

OCTOBER 15

5:30 – 7:00pm

15-minute talk and group discussion hosted by
Bradbury Science Museum

creative
LOS ALAMOS

Phylogenetics and Epidemics

Researchers at the Lab are investigating the complex relationships between the spread of the HIV virus in a population (epidemiology) and the actual, rapid evolution of the virus (phylogenetics) within each patient's body. They are using a new modeling approach that distinguishes between susceptible and infected individuals to capture the full infection history, including contact-tracing data for infected individuals. The uninfected individuals are modeled at a population level and stratified by transmission risk and social group. The social network in this model forms – and can change – during the simulation, so the model is much more realistic than traditional models. In this Science on Tap, principal investigator Thomas Leitner from the Lab's Theoretical Biology and Biophysics Group will discuss this new model.

**Thursday, October 15
5:30 PM**

UnQuarked Wine Room
145 Central Park Square
Los Alamos, NM

Science on Tap happens every
third Thursday and begins
with an informal 15-minute
talk followed by a lively group
discussion.

Celebrate Ada Lovelace Day in Los Alamos

Los Alamos cultural institutions have teamed up to present events throughout October to commemorate Ada Lovelace Day, created to celebrate one of the first female computer programmers. For the complete event listing, visit the Los Alamos County Event pages at <http://www.losalamosnm.us/events/Pages/default.aspx>.



Here are three events that the Bradbury is helping to make possible:

- October 12, 6:30 PM – 8:00 PM: Documentary screening, *Top Secret Rosies*, at Mesa Public Library, 2400 Central Avenue, Los Alamos, New Mexico
The story of the secret U.S. military program to recruit female mathematicians for the war effort
- October 13, 6:30 PM – 8:00 PM: Caroline Herschel Astronomy Night at White Rock Public Library, 10 Sherwood Boulevard, Los Alamos, New Mexico
A brief introduction to women's achievements in astronomy and time to look at the stars
- October 15, 7:00 PM – 8:30 PM: Women in STEM Panel at Mesa Public Library, 2400 Central Avenue, Los Alamos, New Mexico
A conversation with panelists Teri Roberts, Sandy Frost, and Nicole Lloyd-Ronning—all Los Alamos National Laboratory staff members and Bradbury Scientist Ambassadors—about women in science, technology, engineering, and math.

Collections



In early September, a package arrived in the mail that contained a donation letter and nearly 100 photos of Los Alamos taken during late 1942. Some of the photos were duplicates of ones we'd seen before, but a few were new to all of us. We were excited to receive this artifact because it may be of use to the Lab's VISIBLE team, who is currently working on apps that let you use your device as a portal to see Los Alamos during the Manhattan Project days.

One photo in particular stood out: Capturing a westward view toward Fuller Lodge, doesn't it seem as if the photographer were standing directly on the site of the future Bradbury Science Museum?



Subscribe
to our
Newsletter

To subscribe to our monthly newsletter, visit the museum's website at:
www.lanl.gov/museum/events/events-mailing.shtml

Mark Your Calendars!

October 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
					A	
4 Special Lecture <i>Jews in Theory</i> 3:00 to 4:00 PM	5	6	7	8	9 B	10 Scientists in the Spotlight 10:00 AM to 12:00 PM
11	12 Ada Lovelace Day Events Oct. 12-23 Columbus Day (observed)	13	14	15 Science on Tap @ UnQuarked 5:30 to 7:00 PM Women in STEM @ Mesa Public Library 7:00 to 8:30 PM	16 A	17
18	19 Nuclear Science Week Oct. 19-23	20	21	22	23 Fourth Fridays Downtown Museum Open Late Until 6:00 PM B	24
25	26	27	28	29	30 High-Tech Halloween 4:00 to 6:30 PM A	31

About the Museum

Bradbury Science Museum is located at 1350 Central Avenue in downtown Los Alamos, New Mexico. Approximately 40 interactive exhibits trace the history of the WWI Manhattan Project, highlight Los Alamos National Laboratory's current and historic research projects related to defense and technology, and focus on Laboratory research related to energy, environment, infrastructure, health, and global security concerns.



MUSEUM HOURS:

Sunday & Monday: 1:00 PM–5:00 PM, Tuesday–Saturday: 10:00 AM–5:00 PM